BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS TO DRAINS AT KAMAKSHAMMA LAYOUT IN WARD NO.02 OF YELAHANKA SUB DIVISION

							Estimate Cost Rs.	25.00	Lakhs
Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	Removing B.S. slab of Drain and stacking.(P No.25 / I N 5.32)								
	for Drain	Sqm							
			2	150.00	0.75		225.00		
			1	45.00	0.75		33.75		
			2	45.00	0.75		67.50		
			1	75.00	0.75		56.25		
							382.50	72.95	27903.07
	Basic Rate	62.00							
	AD-HOC 11%	6.82							
	Sub-Total	68.82							
	Area Weightage @ 6%	4.13							
	Total	72.95							
2	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (P.142/I 19.1)								
	Desilting for Drain	Cum							
			2	150.00	0.60	0.60	108.00		
			1	45.00	0.60	0.60	16.20		
			2	45.00	0.60	0.60	32.40		
			1	75.00	0.60	0.60	27.00		
							183.60	96.48	17713.95
	Basic Rate	82.00							
	AD-HOC 11%	9.02							
	Sub-Total	91.02							
	Area Weightage @ 6%	5.46							
	Total	96.48							
3	Refixing stone slabs of drains and pointing in C.M.(1:3)(P.No.25/I.No.5.33)								
		Sqm							
			80% of Qty Vide Item No.1				306.00	89.42	27363.01
	Basic Rate	76.00							
	AD-HOC 11%	8.36							
	Sub-Total	84.36							
	Area Weightage @ 6%	5.06							
	Total	89.42							
4	Providing and fixing RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								

	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
		Sqm							
	Drain covering slab		20% of Qty Vide Item No.1				76.50		
							76.50	2100.00	160650.00
	Data Rate	2100.00							
5	KSRRB M200-24:- dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces no exceeding 0.02 Cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials separately complete as per specifications. MORTH specifications. No. 202, (P.No. 138/ Item No. 18.47)								
	for Road	Cum							
	3rd Cross Road		1	120.00	3.50	0.25	105.00		
	1st Cross Road		1	35.00	6.00	0.25	52.50		
	2nd Cross Road		1	35.00	6.00	0.25	52.50		
	Cross Roads		1	70.00	3.00	0.20	42.00		
					Total Qty		252.00	918.92	231569.00
	Basic Rate	781.00							
	AD-HOC 11%	85.91							
	Sub-Total	866.91							
	Area Weightage @ 6%	52.01							
	Total	918.92							
6	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)KPWD S.R 2016-17								
	for Road	Cum							
	8th Cross Road		1	120.00	3.50	0.20	84.00		
	9th Cross Road		1	35.00	6.00	0.15	31.50		
	10th Cross Road		1	35.00	6.00	0.20	42.00		
	11th Cross Road		1	70.00	3.00	0.15	31.50		
					Total Qty		189.00	184.73	34913.25
	Basic Rate	157.00							
	AD-HOC 11%	17.27							
	Sub-Total	174.27							
	Area Weightage @ 6%	10.46							
	Total	184.73							
7	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
			Qty Vide Item No.1+2				624.60	111.00	69330.60
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							

	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Add loading and unloading Item (17.1)	68.00							
	Sub-Total	100.00							
	AD-HOC 11%	11.00							
	Total	111.00							
8	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
	for Road	Cum							
	8th Cross Road		1	120.00	3.50	0.15	63.00		
	9th Cross Road		1	35.00	6.00	0.15	31.50		
	10th Cross Road		1	35.00	6.00	0.15	31.50		
	11th Cross Road		1	70.00	3.00	0.15	31.50		
					Total Qty		157.50	5726.51	901925.67
	Basic Rate	4867.00							
	AD-HOC 11%	535.37							
	Sub-Total	5402.37							
	Area Weightage @ 6%	324.14							
	Total	5726.51							
9	KSRRB M600-6. Cement concrete pavement. Construction Un- reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and size graded granite metal , coarse and fine aggregate with superplastisiser @ 3lts conforming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grades as per drawing complete as per specifications.(P.No.174 / It.No.22.6.2)								
	for road	Cum							
	8th Cross Road		1	120.00	3.50	0.125	52.50		
	9th Cross Road		1	35.00	6.00	0.125	26.25		
	10th Cross Road		1	35.00	6.00	0.125	26.25		
	11th Cross Road		1	70.00	3.00	0.125	26.25		
					Total Qty		131.25	6901.94	905879.05
	Basic Rate	5866.00							
	AD-HOC 11%	645.26							
	Sub-Total	6511.26							
	Area Weightage @ 6%	390.68							
	Total	6901.94							

	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Speed Vibratiry, Power Floater, blade and disc etc., with all lead and lift (P.177/ I.22.7)								
		Sqm							
	8th Cross Road		1	120.00	3.50		420.00		
	9th Cross Road		1	35.00	6.00		210.00		
	10th Cross Road		1	35.00	6.00		210.00		
	11th Cross Road		1	70.00	3.00		210.00		
							1050.00	105.89	111188.70
	Basic Rate	90.00							
	AD-HOC 11%	9.90							
	Sub-Total	99.90							
	Area Weightage @ 6%	5.99							
	Total	105.89							
11	Providing Groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine generator and HOM of machinery including cost of blade, coolant etc., including cleaning aof groove & providing sand and hot bitumen fillars and filler metal etc.,including cost of conveyance of all materials, labour,lead and lift charges and all the other incidental charges as per drawing and as per specifications, MORTH specification. (P.178/ I.22.8)								
		m		avg					
			22	3.50			77.00		
							77.00	135.31	10418.79
	Basic Rate	115.00							
	AD-HOC 11%	12.65							
	Sub-Total	127.65							
	Area Weightage @ 6%	7.66							
	Total	135.31							
12	Miscellaneous and unforeseen charges	LS							1145.00
					Grand Total Amount				2500000.00
	(Rupees Twenty Five Lakhs Only)								

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2 The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
5) This work is not repeated in any other programs or Grants

Assistant Engineer
Ward No.02

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

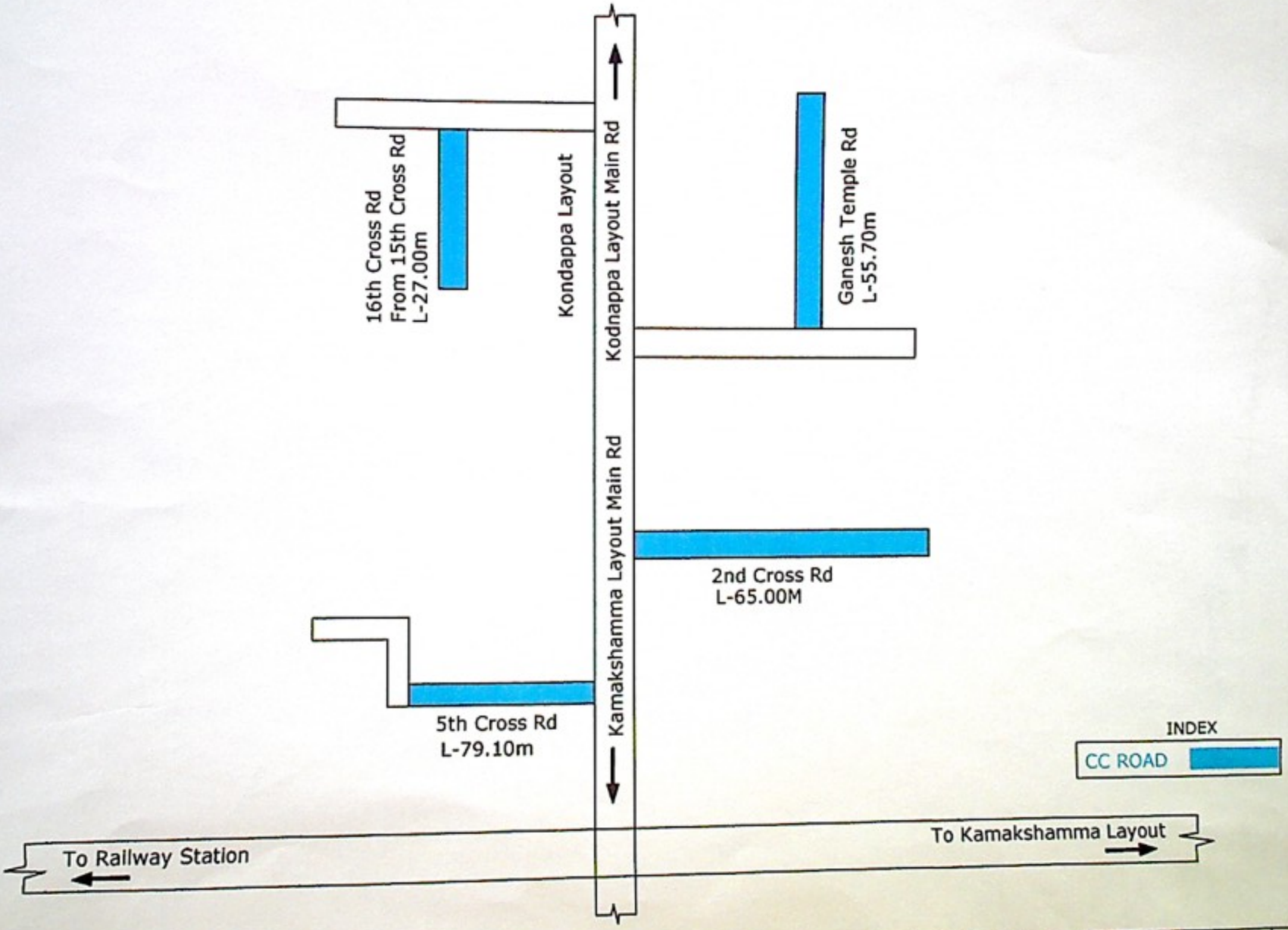
Executive Engineer
Yelahanka Division
B.B.M.P

Administrative Approval
Accorded For 25-00 lakhs
Head of A/C P.177
CER NO : 237 Dt: 08.02.18

TA CE (YNK)

Technical Sanction
Accorded For 25.00 lakhs.
Head of A/C P.177
CER NO : 658 Dt: 16.02.18

TA CE (YNK)



Assistant Engineer | Assistant Executive Engineer | Executive Engineer

Improvements to Drains at Kamakshamma Layout in Ward No-02 of Yelahanka Sub Division

Scale: N.T.S
Date
Dwg. no.
Rev. NO